

# THE TECH

VOL. XXVIII. No. 44

BOSTON, MASS., FRIDAY, FEBRUARY 12, 1909

PRICE THREE CENTS

## PROFESSORS TELL ABOUT DARWINISM

**Praise Freeminded Spirit of  
Biologist Defying  
Precedent**

### EVOLUTION UNIVERSAL

**Professors Sedgwick and Lowell  
Explain Inertia Against  
Accepting Theory**

With a well attended meeting and lectures on Darwin's Theory of Evolution the Society of Arts observed last night the one hundredth anniversary of the birth of Charles Darwin. The lectures were delivered by Prof. Sedgwick, of the Biological Department of the Institute, and by Prof. Percival Lowell, who has charge of the observatory at Flagstaff, Arizona. In introducing Prof. Sedgwick Prof. Noyes spoke briefly on the elements of Darwin's work that had made him famous, laying most emphasis on the fact that his work was such as to be appreciated by the general public as well as by scientific men.

Prof. Sedgwick first gave an account of Darwin's birth and family, his life and the conditions under which he worked. He gave a brief history of the development of scientific knowledge, and then went on to treat of Darwin's great Theory of Evolution, giving an explanation of it and describing the reasoning that led to its formulation. He pointed out that the Theory of Evolution as applied to plants and animals is only an extension to living things of what has long been accepted as true in the formation of the earth and the changes in its surface.

After the applause that greeted the close of Prof. Sedgwick's speech had died down, Pres. Noyes introduced Prof. Lowell.

Prof. Lowell went into the subject somewhat more deeply than Prof. Sedgwick, giving a short sketch of the development of the idea of evolution as applied by the Greeks to certain phases of the inorganic world to the application of it to the organic world by Darwin. He made the statement that if a man was not ahead of his time he would not be a genius, and Darwin is just beginning to be rightly appreciated.

### RELAY TEAM CRIPPLED

**Will Run Tufts Tomorrow Under  
Great Disadvantages**

Tomorrow night Technology will be represented against Tufts in a two-mile relay race at the annual Lawrence Light Guards Meet at Medford. Last year Tech was represented by a fast team and was only beaten by inches in the last few yards. This year the institute will be represented by a team which is much handicapped by the loss of the fastest two men on the team, but which is determined to win.

The members composing the team are H. H. Howland 1909, who holds the eight mile record; H. S. Benson 1912, captain of the freshman cross-country team; C. P. Eldred 1911, one of the crack cross-country men, and C. L. Campbell 1909, who has not run till this year.

The team is severely handicapped by the loss of L. O. Mills 1910, who has left the Institute to accept a good business position; and by P. D. White 1911, who is threatened with pneumonia. These two men were the two best men of the team. Mills holds the mile record, while White holds the half-mile record.

The team is running now simply to fulfil its obligations with Tufts.

Besides the team race, Technology will be represented in the 40-yard dash by J. S. Grant 1912, and L. B. Walker (Continued on page 3.)

## MILE RELAY TEAM OFF TO NEW YORK

**Crack Technology Runners  
To Appear at Madison  
Square Garden**

### OFF TODAY AT THREE

**Tech Will Have Another Chance  
at Harvard—Team Runs at  
Troy February 22**

This afternoon at 3 o'clock Technology's championship relay team leaves Back Bay station for New York to compete in the intercollegiate meet to be held in Madison Square Garden Saturday evening. Six teams will run in the race at the same time. The teams entered in the race with Technology are Harvard, Amherst, Brown, Johns Hopkins and Wesleyan.

With the showing of the team in the race with Syracuse at the B. A. A. meet last Saturday as a basis the hope of capturing the team race Saturday in New York is great, and Technology should place first, as the time made by the Institute team last Saturday was the fastest made at the meet and was only one and three fifths seconds less than record for the track. A great incentive to the men will be the chance of beating Harvard and so adding another win to the string of victories over the Crimson. Tech beat Harvard twice in cross-country, once in basketball and held them to a 1 to 0 game at hockey. The track at Madison Square Garden is ten laps to the mile and without corners. Running without corners may prove troublesome to the Tech men, but they have been practising daily on the track at the Oval without using the corners.

The same team will go to New York that beat Syracuse in the B. A. A. meet. They are Carl W. Gram, 1909, W. C. Salisbury 1911, A. L. Moses 1910, and K. D. Fernstrom, 1910. Coach Kanaly will also go with the team.

The team will be entertained by the Columbia University Club at a vaudeville to be given at the club rooms after the meet.

Manager Fernstrom has arranged a dual one mile relay race with Wesleyan to be run Feb. 22 at the troy Y. M. C. A. games.

### TECH SHOW UNDER WAY

**Many Candidates for Principals  
and Chorus—Francis Explains**

Trials for the show were held in the Union yesterday afternoon and brought out a great many new men, about 125 reporting for the principals and chorus. The men who have held principal parts and are coming out this year are S. A. Malcolm 1909, who made a hit in last year's play as the uncle, and wrote this year's show; R. H. Allen 1909; R. Kibbey 1908, one of last year's stars; Cherub Belden 1909, leading lady for the past several years; R. C. Jacobs 1909; S. Altamarino 1909; A. T. Palmer 1909; H. H. Catching 1911; J. J. Higgins 1910; A. B. Court 1909; and H. F. Thode, who will lead the orchestra this year, as usual.

There are nineteen principal parts in this year's play. The women's are "Mrs. Billington," a Puritan of 35; "Miss Susan White," another Puritan; "Beatrice" and "Olga," two younger girls, soubrettes; "Auntie Elfrida," elderly lady of decided opinion. Those of the men "That Pill Grimm," the title role; "Flotsam," his secretary; "The Burgomaster," "Von Hardwrek," another dutchman; a dutch comedian, "John Billings," the anthesis of his wife; "Styles Mandish," handsome love-lorn gallant of 1635; "William Bradford," a stiff old Puritan; "Raymond Fletcher," a youth; "Elder Brewster," Puritan of the old school; a messenger (Continued on page 3.)

## RAILROAD SIGNALS AND MANagements

**James O. Fagan Will Speak  
at Friday Evening  
Meeting**

### KNOWN AS SIGNAL MAN

**Has Become Very Well Known  
Through His Magazine  
Articles**

The entertainment committee has been fortunate in securing James P. Fagan, the railroad tower-man, as the speaker for the Union night tonight. The lecture will be of an informal nature and will begin promptly at 7.45 P. M. As usual light refreshments will be served at the close of the lecture for a nominal sum.

Known the world over as "the signal of man," Mr. Fagan is a self-made man in every sense of the word. By his recent articles in some of the leading periodicals, Mr. Fagan has brought himself before the public as a man thoroughly cognizant with railroad affairs and the crying evils of railroad management.

As a result of the appearance of these articles Mr. Fagan has had several interviews with President Roosevelt and several with President Eliot of Harvard. It is reported that his interview with President Eliot resulted in his engagement by Harvard to deliver a series of lectures on railroad-ing.

Rabbi Fleischer, the eminent Jewish pastor, has been secured for Union night one week from tonight. His subject will be "Democratic Principles."

### WHITE KNEW LINCOLN

**Journalist of War Time Tells of  
Personal Memories of The  
Emancipator**

Mr. Horace White of New York, economist and journalist, was the speaker at the Lincoln Memorial Convocation yesterday. In introducing him Pres. Noyes said he was the only man now living who was present at all the Lincoln-Douglas debates. Mr. White was a personal friend of Lincoln's, and as correspondent of the Chicago Tribune had a splendid opportunity to watch the way in which the great man faced the serious problems besetting him. Mr. White spoke for three-quarters of an hour, giving an account of Lincoln's public life as he had seen it and dwelling on his characteristics as a man. He brought out the effect of the repeal of the Missouri Compromise and of the Lincoln-Douglas debates on Lincoln's public life, and touched on the esteem in which he is held in both North and South today, attributing it to his insight into the feelings of the Southerners during the war.

### SENIOR PORTFOLIOS

During the exams. orders were given out to a few of the men in order that they might go to Notman's and have their pictures taken for the Portfolio. The members of the committee were unable to see all the men and those who have not yet obtained the order blanks will be supplied in a few days.

It has been very difficult to get the past Portfolios out on time, because the men keep delaying to have their pictures taken.

It is essential that the men make their appointments at Notman's as soon as possible.

Orders may be obtained from any of the committee: C. N. Harrub, I; W. J. Kelley, I; J. W. Nickerson, II; A. L. Shaw, I; H. E. Whitaker, II.

## TECH BEATS FAST PROVIDENCE TEAM

**Basketball Five Defeats  
Brown University in  
Close Game**

### SCORE IS 18 TO 14

**Game With Tufts Tomorrow Night  
at Gym Should Prove an  
Easy Victory**

That the basketball team is again rounding into form, was shown in its game with the Brown five in Providence. Ending the first half with an even score, 9 to 9, the Institute team took a brace and defeated their opponents by four points.

The line up:

M. I. T.—Hargraves, r.f.; Lord, l.f.; Parker, c.; Bennis (Taite), r.g.; Wentworth l.g.

Brown — Reginer, l.g.; Sprackling (Raquet), r.g.; Aspinwall, c.; Swaffield (Johnson), l.f.; McKay, r.f.

Score—M. I. T. 18, Brown, 14. Goals from floor—Wentworth 3, Parker 2, Lord, Bennis, McKay, Swaffield. Goals from fouls—Parker, Wentworth, Swaffield, McKay. Fouls—M. I. T. 4, Brown 3. Referee and umpire—McAdams. Timer—Raymond. Time—20 minute halves.

With one victory over Tufts scored on the Medford floor, the outlook for another in the Technology gymnasium tomorrow night seems bright indeed. The score of the game on Jan. 7, 28 to 15, the second team, however, losing 16-10. The match between the two second teams Saturday should be a good one, inasmuch as both teams have had ample time to develop.

### 1912 CROSS COUNTRY

Every freshman who is at all interested in cross-country running is requested to report at the gymnasium tomorrow at three for a short practice run. The inter-class run comes in the first of April, and in order that the freshmen may make a good showing against the veteran sophomore team it is absolutely necessary that every 1912 man who has ever run or thinks he can run should come out for the first practice run. The run will be short and nothing more than a dog trot. At present there are only about four men who have signified their intention of trying for the team. The team is composed of ten men and two substitutes, so that if the freshman class expects to do anything all their runners must wake up. The winning team has a right to wear their numerals.

### CALENDAR

FRIDAY, FEB. 12.

- 3.00 P. M. Relay team leaves Back Bay station for New York.
- 4.00. Mandolin Club rehearsal.
- 4.15 P. M. Classes in Physical Training begin at the Gym.
- 4.15 P. M. Tech Show Principals Rehearse at the Union.
- 7.45 P. M. Union night with "The Signalmen."
- 8.30 P. M. Catholic Club dance in Copley Hall.

Saturday, Feb. 13.

- 3.00 P. M. Freshmen cross-country candidates meet at the Gym.
- 7.30 P. M. Relay team races Tufts at Medford.
- 8.00 P. M. Basketball vs. Tufts at Tech Gym.

Sunday, Feb. 14.

- 6.45 P. M. Y. M. C. A. meeting in Union.

# THE TECH

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Single Copies 3 Cents.

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Friday, February 12, 1909.

## Signals!

That Pill Grimm will have a strong backing.

The bulletin boards have at last arrived. They will be of little worth, however, if the rulings of the committee as to their use are not followed.

Tech is one of the leading institutions of the country in minor sports, as well as in regular track and field events, says the New York Sun. In cross-country running, hockey and basketball M. I. T. is as good as the best. Beating Harvard, Dartmouth and Williams is a good record for the basketball men thus far this season.

This year the officers of the cadet battalion have undertaken to continue the old practise of giving an annual military ball. It has been three years since the last one, which was a most successful affair. The preparations for next Friday's dance are developing along lines that promise to equal those of the last.

Those who have been to a military ball need no urging, and those who have never been to one will have an opportunity to find out what they are like.

Technology has this year the fastest quartet at the one mile relay that ever wore the cardinal and gray. At the B. A. A. meet they did 1560 yards in 3 minutes, 10 seconds, the fastest time made. The relay will run in the inter-collegiate mile tomorrow night in New York. This will be the first race of the Institute with Harvard at less than four miles.

A lot of loyal Tech men will be at the Back Bay station today at 2.45 P. M. to cheer the team and coach as they leave. Will you be there?

It seems that it is again necessary to call the attention of the various student organizations to the fact that as far as possible social or athletic events should not be scheduled for Friday evenings, as by so doing the regular Union entertainments are interfered with. Two institute activities have carried out arrangements for Friday evening dances this month, thereby drawing to these events a certain number of fellows who would otherwise attend the interesting talks promised by Mr. Fagan and Rabbi Fleischer.

Two years ago the Kommers in the old Union were given up because of insufficient support. In this way a most excellent custom died.

That the Friday evening entertainments may not follow the way of the old Kommers it should be the endeavor of every undergraduate to keep the ball rolling. The other activities can help out by holding their celebrities on other than Friday nights.

## COMMUNICATION

Editor of Tech:

The Institute Committee's sub-committee on bulletin boards is trying to systematize and make as attractive as possible the posting of notices in the various Technology buildings, and asks the co-operation of the activities using the newly placed bill boards in keeping them as neat as possible. It is the plan of the committee to have some fastening device placed on the boards, so that posters may be properly held on without the use of tacks. It was the intention of the committee to have all posters of a size uniform with the rectangles marked off on the boards, but as many of the activities have a considerable supply of printed posters of different size on hand, it is felt that the immediate enforcement of this rule would be somewhat unjust. This rule will be strictly enforced at the beginning of the next school year, so any societies contemplating having posters printed will do well to have them made standard size. For the present each poster must be fastened to the board by a tack in each corner. The committee does not feel that it is asking too much in requiring this, and warning is hereby given that beginning February 15, 1909, any advertisement posted in violation of this rule will be removed without notice.

The Committee on Bulletin Boards.  
CARLETON W. HUBBARD, '09,  
Chairman.

*Thos. F. Gahin*

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### TECH SHOW UNDER WAY

(Continued from page 1.)

from James First; "Massossoit," Indian Chief; "Philips," young Frenchman; "Young Billington," a second Peck's Bad Boy; and "Long Boy," a town crier.

Before asking for candidates Coach Francis made a few remarks about the show and character of the work. The book is the best that has ever been written for a Tech Show, and the success of the play depends simply upon the discipline and work done by principals and chorus. He further advised all men not making principals parts to go for the chorus, which will consist of about 36 persons, 18 men and 18 girls, and six dancers.

The play itself is a satire on the Pilgrims leaving Holland for this country. The first act opens in Holland and contains several dances and love scenes. The second has several scenes from Plymouth and Boston in 1635, and a special edition by Willy Hearst to permit them landing in this country.

The performances of the play have not yet been arranged but two performances will be given in Boston at the Hollis, and several in outside towns.

The chorus will practise for the first time Saturday at 2 P. M. in the Union and on Monday, Wednesday and Friday afternoons of each week.

The candidates for principal parts will rehearse on Tuesdays, Thursdays and Saturdays, first practice being today at 4.15 in the dining hall of the Union. This arrangement is simply a temporary one, as permanent training quarters for the show will be found later.

### RELAY TEAM CRIPPLED

(Continued from page 1.)

1912; in the 440 by Cummings 1910; in the 880 by M. A. Oettinger 1912; in the mile by J. N. Stephenson 1909, and in the high jump by P. W. Dalrymple 1912, and Ray Allen 1909.

To reach Medford armory go to Sullivan's Square and change to a Medford Square car.

### DR. DENISON TO SPEAK

At the Sunday evening meeting of the Y. M. C. A. the speaker will be Dr. John Hopkins Denison of the Central Congregational Church. Dr. Denison has spoken several times to Tech men and once at one of the Friday evening entertainments on the "Natures of the East Indies." A capital talk is in store for everyone who attends the meeting next Sunday in the Union at 6.45 P. M.

### MUSICAL CLUB PLANS

General Manager Richardson has arranged a most attractive schedule of trips for the Music Clubs during the coming term. The first concert will be given on February 19th at Peabody, and this will be followed by concerts at Haverhill on Feb. 23, at North Abington, Feb. 26, Quincy March 5, Lexington March 16, and at Roslindale March 24. The season's concerts will close with the annual Spring Concert which comes this year on April 20th.

### TOO FEW FOR MANAGER

As only six candidates reported for the position of assistant stage manager Wednesday afternoon, a second call will be made. The management of the show was much disappointed at the showing and would like to have a good many men to pick from for this important position.

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THE MASSACHUSETTS INSTITUTE  
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PUBLISHED BY THE ALUMNI  
ASSOCIATION

83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

THE REVIEW is published during January, April, July, and October. Communications should be addressed to THE TECHNOLOGY REVIEW, 83 Newbury St., Boston.

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### NOTICES

1912—All cross-country men report at Gym tomorrow at 3 P. M.

Y. M. C. A.—At the meeting Sunday evening at the Union Dr. Denison will be the speaker.

C. E. SOCIETY—The Society will hold a dinner at the Union on Feb. 17, at the Union. After the dinner Prof. Breed will speak on "Expert Testimony." Those coming are requested to buy their tickets as soon as possible.

NOTICE—The following articles have been found and left at the Bursar's office:

- 1 slide rule.
- 1 set of drawing instruments.
- 1 fountain pen.

Subscriptions to the Tech for the remainder of the year for sale at the Tech office, 30 C. Price, \$1.00.

### FACULTY NOTICES

GERMAN COLLOQUIUM—The hours for this subject are Tuesdays and Thursdays 9-10 and Saturdays 12-1. T. Bigelow.

FIRST YEAR—All the first year class will meet in the Gymnasium at 4.15 Friday, for the first exercise in Physical Training. Walter Humphreys, Registrar.

GERMAN I—Students who desire to take German I should leave their Tabular View cards with Professor Bigelow, Room 31 Lowell, by 12 M. Saturday, the 13th inst., indicating the subject desired.

GERMAN COLLOQUIUM—Thursday, 9 to 10, Saturday 12 to 1. German III—A—Tuesday 9 to 10. French Colloquium: Tuesday 9 to 10, Saturday 12 to 1. French III—A—Thursday 9 to 10.

The consultation hours of Professor Bigelow and Professor Vogel for the remainder of this week will be as follows: Professor Bigelow: Thursday from 10 to 12, Friday from 9 to 12, Saturday from 9 to 11. Professor Vogel: Thursday from 10 to 12, Friday from 9 to 12, Saturday from 9 to 11.

### CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

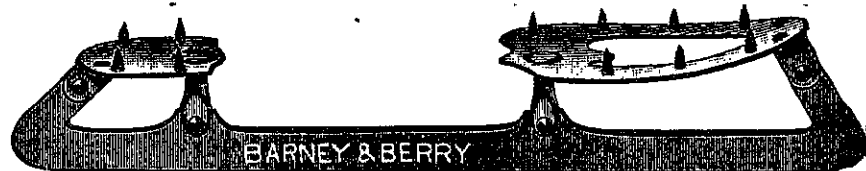
BLACK DERBY, initials B. H. M. on inside, exchanged by mistake. Please leave at cage. B. H. Morash.

LOST—A slide rule and Waterman fountain pen before vacation. Finder please return to cage for S. A. Guthrie. F. I.

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